

Abstract of the Invention

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An apparatus for displaying a 3-dimensional image includes left and right plane image display devices for simultaneously outputting left and right plane images received with respect to a same object from the left and right sides to a screen, left and right image inverting apparatuses for inverting original left and right images and outputting the inverted images to the left and right plane image display devices, a left reflection mirror, on which an image output from the left plane image display device is incident at a predetermined angle and by which the left image is reflected at the same angle, so that the left image is perceived by a left eye of a viewer, and a right reflection mirror, on which an image output from the right plane image display device is incident at a predetermined angle and by which the right image is reflected at the same angle, so that the right image is perceived by a right eye of a viewer. Thus, unlike the conventional 3-D display apparatus having a complicated structure but no general usability, a 3-D image can be easily realized without additional apparatuses by arranging the two plane image display devices and image inverting apparatuses to the left and right sides and the reflection mirrors in the middle therebetween and adjusting the incident and reflection angles of the reflection mirrors.

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